

A CATALOGUE OF THE AUSTRALIAN TERTIARY FLORA

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Introduction

During the course of a study of various Tertiary plant remains, the need has been felt for a comprehensive catalogue of previous records of the Australian flora of this period. A number of such catalogues is in existence—Etheridge (41), Ettingshausen (42, 43), and Johnston (57, 64, 65)—but unfortunately they are now completely out of date. More recent lists of fossils have been drawn up by Sussmilch (110) and Paterson (94), but they are restricted to Victorian genera.

General information regarding the Tertiary flora of Australia and the location of records is available in papers by Walcott (113), Chapman (14), Sussmilch (110), and Singleton (105). Details of certain groups of plants are given by Card and Dun (9), Florin (47), Maiden (75), Chapman (18), and Cookson and Dugan (30).

In the present catalogue, species are listed with the localities at which they have been found, and a note is made of the papers in which the original descriptions occur. The International Rules of Botanical Nomenclature have been followed as far as possible when deciding upon the validity of publication of species. However, as the list is designed to provide information regarding descriptions and illustrations of the flora as a whole, some records are included which do not completely satisfy the requirements of the Rules. Many diatoms have been recorded without descriptions, illustrations or authorities, but as they have been given the names of living species, and as the material upon which the identifications have been based is very similar to that used in the determination of present day species, they have been allowed to stand.

In order that the catalogue should be complete, a second list is given of suggested identifications, which are extremely tentative or are unsupported by descriptions and illustrations. Many of these appear in papers otherwise entirely divorced from palaeobotany, and consequently some may have been overlooked. The author would be grateful for notice of any omissions, which could then be incorporated in subsequent accounts.

Arrangement of the Catalogue

The Angiosperms have been catalogued according to the system of Engler and Prantl (40), but families and genera have been arranged alphabetically in order to facilitate reference. Fritsch (48, 49) has been followed for the classification of Algae, Ainsworth and Bisby (1) for Fungi, Copeland (115) for Pteridophyta and Florin (116) for Gymnosperms.

A number on the left of a species name refers to the paper, as indexed in the bibliography, in which the first record of this species appears. Letters associated

with these numbers show the type of material on which the identifications are based—

- F. Fruit, Cone or Seed.
- I. Macroscopic Portion of Flower.
- L. Leaf.
- P. Pollen Grain or Spore.
- W. Wood.

Letters on the right of species names indicate the localities (as shown in the table below) from which the fossils have been recorded. When a number precedes one of these letters, it refers to a paper in which a record subsequent to the original one appears. '?' is used to denote any uncertainty as to whether a fossil really belongs to a given species.

In cases where the name of a species has been changed, a note of the alteration and the number of the paper in which it appears is placed after the original name. All information regarding localities, etc., is given under the new name, which is recorded independently. When any change has only been tentatively made, the suggested change is placed in brackets after the original name, and is not catalogued separately. The possible affinities of plants of uncertain systematic position are indicated in a similar manner, except in cases where the affinity is implied in the name.

List of Localities from which Fossils have been Recorded

TASMANIA		VICTORIA		NEW SOUTH WALES	
T.A.	Beaconsfield	VG.	Berwick	Vo.	Nintingbool
TB.	Brandy Creek	VH.	Bogong High Plains	Vp.	Ouyen
TC.	Breadalbane	VI.	Boolara	Vq.	Parwan
TD.	Burnie	VJ.	Bruthen	Vr.	Pascoe Vale
TE.	Carnelian Bay	VK.	Budgeree	Vs.	Pitfield
TF.	Cora Lynn	VL.	Bulla	Vt.	Redruth
TG.	Derby	VM.	Chiltern	Vu.	Sentinel Rock
TH.	Derwent River	VN.	Clifton Hill	Vv.	Smythe's Creek
TI.	Geilston	VO.	Cobungra River	Vw.	South Yarra
TJ.	Glenora	VP.	Creswick	Vx.	Stony Creek
TK.	Henty River	VQ.	Dargo High Plains	Vy.	Tanjil River
TL.	Hobart	VR.	Dargo River	Vz.	Thorpdale
TM.	King Island	VS.	Darlimurla	Va'.	Traralgon
TN.	Launceston	VT.	Daylesford	Vb'.	Wensleydale
TO.	Macquarie Harbour	VU.	Eganstown	Vc'.	Yallourn
TP.	Mt. Bischoff	VV.	Eldorado		
TQ.	New Norfolk	VW.	Foster		
TR.	One Tree Point	VX.	Gisborne		
TS.	Risdon	YY.	Haddon	NA.	Bannister
TT.	Sandy Bay	VZ.	Hazelwood	NB.	Beneree
TU.	Stevenson's Bend	Va.	Hoddle's Creek	NC.	Berridale
TV.	Table Cape	Vb.	Keilor	ND.	Bungonia
TW.	Windmill	Vc.	Korunburra	NE.	Cooma
TX.	Woody Hill	Vd.	Lake McRorie	NF.	Dalton
TY.	Locality Unspecified	Ve.	La1 Lal	NG.	Darling Plains
		Vf.	Lilicur	NH.	Elsmore
		Vg.	Lilydale	NI.	Gulgong
		Vh.	Limestone Reserve	NJ.	Kiandra
VA.	Altona	Vi.	Mallacoota Inlet	NK.	Newstead
VB.	Anglesea	Vj.	Malmsbury	NL.	Orange
VC.	Bacchus Marsh	Vk.	Maryvale	NM.	Richmond River
VD.	Balcombe Bay	Vi.	Mornington	Nm.	Rock River
VE.	Ballarat	Vm.	Morwell	NN.	Tingha
VF.	Beenak	Vn.	Narracan	NO.	Ulladulla

NP.	Vegetable Creek (Emmaville)	QH.	South Pine River	SH.	Lake Torrens
NQ.	Warrumbungle Mts.	QL.	Strathpine	SI.	Moorlands
NR.	Wingello	QJ.	Warner	SJ.	Mount Lofty Ranges
QUEENSLAND					
Qa.	Brisbane	SA.	Adelaide Plains	SK.	Pidinga
QA.	Chinchilla	SB.	Aldinga	SL.	Tanunda
QB.	Darra	SC.	Cootabarlow	SM.	William Springs
QC.	Duarinya	SD.	Elizabeth Mine	SN.	Wyeculuna
QD.	Mt. Meerschaum	SE.	Eyre Peninsula	SO.	Yorke Peninsula
QE.	Oxley	SF.	Lake Frome	WA.	Albany
QF.	Oxley Creek	SG.	Lake Macdonnell	WB.	Cape Riche
QG.	Sherwood			WC.	Mount Elder Range
SOUTH AUSTRALIA					
WESTERN AUSTRALIA					

Records of Australian Tertiary Plants

	ALGAE	4.	<i>G. gracile</i> , Vw.
	BACILLARIOPHYCEAE	24.	<i>G. lanceolatum</i> , Vw.
	Centrales	106.	<i>G. longiceps</i> Ehr. var. <i>subclavata</i> Grun. (?), NE.
24.	<i>Actinocyclus Barklyi</i> Coates, Vw.	4.	<i>Hantzschia amphioxys</i> , Vd.
24.	<i>A. duodenarius</i> , Vw.	24.	<i>Himantidium areut</i> , Vw.
106.	<i>Attheya</i> sp., NE.	24.	<i>H. bidens</i> , Vw.
4.	<i>Campylodiscus bicostatus</i> , Vw.	24.	<i>H. gracile</i> , Vw.
24.	<i>C. clypeus</i> , Vw.	24.	<i>H. undulatum</i> , Vw.
24.	<i>C. cribrosus</i> , Vw.	24.	<i>Navicula Amphibacna</i> , Vw.
24.	<i>C. Hodgsonii</i> , Vw.	4.	<i>N. euspidata</i> , Vd.
24.	<i>C. parvulus</i> , Vw.	24.	<i>N. elliptica</i> , Vw.
4.	<i>Chaetoceros</i> sp. (?), Vd.	4.	<i>N. lauta</i> , Vd.
24.	<i>Coscinodiscus eccentricus</i> , Vw.	24.	<i>N. minutula</i> , Vw.
24.	<i>C. radiatus</i> , Vw.	24.	<i>N. ovalis</i> , Vw.
106.	<i>C. subconcavus</i> Grum., NE.	24.	<i>N. pusilla</i> , Vw.
106.	<i>C. Wittianus</i> Pant., NE.	4.	<i>N. radiosa</i> var. <i>tenella</i> , Vd.
24.	<i>Cyclotella rectangularis</i> , Vw.	24.	<i>N. tumens</i> , Vw.
24.	<i>Hyalodiscus subtilis</i> , Vw.	73.	<i>N. sp.</i> (possibly Pleistocene), Vf.
24.	<i>Hydrosera triquetra</i> , Vw.	72.	<i>N. sp.</i> , VE.
106.	<i>Melosira granulata</i> (Ehr.) Ralfs, NE.	24.	<i>Nitzschia</i> sp., Vw.
106.	var. <i>angustissima</i> O. Mull., NE.	24.	<i>Pinnularia acuminata</i> , Vw.
106.	<i>M. suleata</i> (Ehr.) Kutz, NE.	24.	<i>P. distans</i> , Vw.
106.	<i>M. undulata</i> (Ehr.) Kutz var. <i>spiralis</i> Skv., NE.	4.	<i>P. distinguenda</i> , Vd.
24.	<i>M.</i> sp., Vw.	4.	<i>P. divergens</i> , Vd.
9.	<i>M.</i> spp., NM, NQ.	24.	<i>P. major</i> , Vw.
24.	<i>Orthosira marina</i> , Vw.	24.	<i>P. nobilis</i> , Vw.
	Pennales	24.	<i>P. stauroneiformis</i> , Vw.
24.	<i>Achnanthes brevipes</i> , Vw.	72.	<i>P. viridis</i> (Nitz.) Ehr., VE.
24.	<i>A. subsessilis</i> , Vw.	106.	var. <i>intermedia</i> Cleve (?), NE.
4.	<i>Cocconeis placentula</i> , Vd.	73.	<i>P. sp.</i> (possibly Pleistocene), Vf.
24.	<i>C.</i> sp., Vw.	24.	<i>Pleurosigma balticum</i> , Vw.
24.	<i>Cocconema lanceolatum</i> , Vw.	24.	<i>P. spp.</i> , Vw.
24.	<i>Cymbella</i> sp., Vw.	24.	<i>Stauroneis acuta</i> , Vw.
4.	<i>Diatomella Balfouriana</i> , Vd.	106.	<i>S. (Pleurostauron) Playfairiana</i> Skvort, NE.
4.	<i>Diploneis elliptica</i> , Vd.	24.	<i>S. pulchella</i> , Vw.
4.	<i>D. major</i> , Vd.	4.	<i>Surirella Kerguelensis</i> , Vd.
4.	<i>Epithemia gibba</i> , Vd.	4.	<i>S. splendida</i> , Vw.
24.	<i>E. turgida</i> , Vw.	24.	<i>S. striatula</i> , Vw.
24.	<i>E. Westernannii</i> , Vw.	4.	<i>Synedra ulna</i> , Vd.
4.	<i>E. zebra</i> , Vd.	24.	<i>S. spp.</i> , Vw.
106.	<i>Eunotia valida</i> Hust., NE.	73.	<i>S. sp.</i> (possibly Pleistocene), VE.
24.	<i>Gomphonema cymbiforme</i> , Vw.	24.	<i>Tabellaria</i> sp., Vw.
		24.	<i>Tryblionella gracilis</i> , Vw.
		24.	<i>T. marginata</i> , Vw.

- CHLOROPHYCEAE
 Cladophorales
 Cladophoraceae
 15. *Cladophora richmondiensis* Chap.
 (possibly Pleistocene), NM.
- RHODOPHYCEAE
 Cryptonemiales
 Corallinaceae
 31. *Lithophyllum hydractinoides*
 Crespin, Vb.
 31. *Lithothamnion amphiroaeformis*
 Roth., Vb.
 12. *L. ramosissimum* Rüss., Vp, 31Vb.
 11. *L. sp.*, TM.
- ALGAE INCERTAE SEDIS
 39. *Palacachlyya perforans* Duncan, TY.
 11. *P. tuberosa* Chap., TM.
- FUNGI
- ASCOMYCETES
 Hemisphaeriales
 Micropeltaceae
 28. *Plochmopeltinites Masoni* Cookson,
 Va', NJ.
 Microthyriaceae
 28. *Astrothyrites delicatissimus*
 Cookson, Vc'.
 28. *A. minutus* Cookson, Vc', NJ.
 28. *A. ostiolatus* Cookson, Vc', ?Vu.
 28. *A. sinuatus* Cookson, Vc', VZ.
 28. *Euthyrites olcinites* Cookson,
 Vc', VZ.
 28. *Microthyriacites fimbriatus*,
 Cookson, Va'.
 28. *M. grandis* Cookson, Va'.
 28. *M. sp.* Cookson, Vc'.
 28. *Notothyrites airenensis* Cookson, Vu.
 28. *N. scitiferous* Cookson, NJ, NP.
 Trichopeltaceae
 28. *Trichopeltinites pulcher* Cookson,
 Vc', VZ.
- PTERIDOPHYTA
- EQUISITINEAE
 65.L. *Calamites Hobartensis*
 R. M. Johnst., TR.
- FILICINEAE
 Filicales
 Blechnaceae
 55.L. *Lomaria primaeva* R. M. Johnst.,
 TN, TU.
 Hymenophyllaceae
 55.L. *Trichomanides Tasmanica*
 R. M. Johnst., TC, TN, TU.
 Marsileaceae
 104.L. *Marsilea* sp. (?) Shirley (possibly
 Cretaceous), QC.
- Osmundaceae
 68.L. *Osmunda Tasmanica*
 R. M. Johnst., TK.
- Pteridiaceae
 45.L. *Acrostichum primordiale* Ett., QE.
 34.L. *Pteris abbreviata* Deane, NH.
 62.L. *P. (?) Bcelli* R. M. Johnst., TV.
 65.L. *P. csculentiformis* R. M. Johnst.,
 TN.
 42.L. *P. Humci* Ett., NF.
 43.L. *P. Torrcsii* Ett., NP.
- Schizaeaceae
 43.L. *Lygodium Strzeleckii* Ett.
 (68 *Osmunda*), NP.
- GYMNOSPERMAE
- CONIFERALES
 Araucariaceae
 43.L,F. *Agathis intermedia* (Ett.)
 Chapman and Crespin 23,
 38Vm, NP, ?23WB.
 119.L. *Araucaria balcombensis* Selling,
 VD.
 119.L. *A. derwentensis* Selling, TL.
 119.L. *A. Flctheri* Selling, Nm.
 65.L. *A. imbricatiformis*
 R. M. Johnst., TO.
 89b.F,L. *A. Johnstoni* F.v.M.
 (47. L. Podocarpaceae), TI.
 65.L. *Brachiphyllum* sp. R. M. Johnst.,
 TR.
 92.W. *Dadoxylon* sp. Nobes, Vc'.
 43.L. *Dammara intermedia* Ett. = 23.
Agathis intermedia (Ett.) Chap-
 man & Crespin.
 43.L. *D. podosamoides* Ett., NP.
- Cupressaceae
 43.L. *Callitris prisca* Ett., NP.
 20.L. *C. sp.* Chap., SB.
 16.W. ? *C. sp.* Chap., Vm.
 2.W. *Cupressinoxylon Hookeri* Arber
 (47. Podocarpaceae), TQ.
 92.W. *C. sp.* Nobes = 74.
Podocarpoxylon totara Evans.
 117.L. *Spondylostrobus Smythii* F.v.M.,
 TA, ? 65 TN.
 90.W. = 74. *Podocarpoxylon australe*
 Krausei.
 82.F. = 102a. Dicotyledon.
 45.F,L. *Thuites Wilkinsoni* Ett.
 (47. *Callitris*), QE.
- Pinaceae
 Podocarpaceae
 43.F,L. *Pseudopinus Wilkinsoni* Ett. =
 119. *Podocarpus Wilkinsoni*
 (Ett.) Selling.
 43.L. *Dacrydium cupressinoides* Ett.,
 NN, NP.
 43.L. *Ginkgocladus australiensis* Ett.
 (47. *Phyllocladus*), NP.

- 43.L. *Heterocladios thuroides* Ett., NP.
- 100.W. *Mesembrioxylon fluviale* Sahni =
74. *Phyllocladoxylon fluviale*
(Sahni) Krausel.
- 100.W. *M. fusiforme* Sahni =
74. *Phyllocladoxylon fusiforme*
(Sahni) Krausel.
- 2.W. ? *M. Hookeri* (Arber) Seward
102c. = 74. *Cupressinoxylon*
Hookeri Arber.
- 51.W. *M. Muelleri* (Schenk) Seward
102c. = 74. *Phyllocladoxylon*
Muelleri (Schenk) Goth.
- 92.W. *M. sp.A.* Moorlands Nobes = 74.
Podocarpoxylon totara Evans.
- 92.W. *M. sp.B.* Moorlands Nobes, SI.
- 92.W. *M. sp.B.* Yallourn Nobes = 74.
Podocarpoxylon australe
Krausel.
- 92.W. *M. sp.B.* Yallourn Nobes = 74.
Phyllocladoxylon Muelleri
(Schenk) Goth.
- 43.L. *Palaeocladus cuneiformis* Ett.
(47. *Phyllocladus*), NP.
- 100.W. *Phyllocladoxylon fluviale*
(Sahni) Krausel 74, QA.
- 100.W. *P. fusiforme* (Sahni) Krausel 74,
QA.
- 102b.W. *P. Muelleri* (Schenk) Goth. 51,
VY.
- 43.L.F. *Phyllocladus asplenoides* Ett., NP.
- 38.L. *P. Morellensis* Deane, Vm.
- 102b.W. *P. Muellcri* Schenk = 51.
Phyllocladoxylon Muellcri
(Schenk) Goth.
- 35.L. *P. simplex* Deane, Vu.
- 90.W. *Podocarpoxylon australe*
Krausel 74, Vy, 92Vc.
- 90.W. *P. Smythii* (F.v.M.) Kubart 74a.
= 74. *P. australae* Krausel.
- 92.W. *P. totara* Evans, Vc.
- 119.L. *Podocarpus Brownii* Selling, TD.
- 43.L.F. *P. praeccupressina* Ett.,
NP, 32NR, 94Vn.
- 43.F.L. *P. Wilkinsoni* (Ett.) Selling 119,
NN, NP.
- 119.L. *P. sp.* Selling, TD.
- 119.L. *P. sp.* Selling, Qa.
- Taxaceae
- 65.L. *Athrotaxis* (?) *tamarensis*
R. M. Johnst., TV.
- 45.L.F. *Glyptostrobus australis* Ett., QE.
- 43.L.F. *Sequoia australiansis* Ett.
(47. L. *Podocarpus*,
F. *Arthrotaxis*), NN, NP.
- 65.F. *S. (?) Tasmanica* R. M. Johnst.
(47. *Arthrotaxis*), TI.
- 65.L. *Taxites Diemencensis* R. M. Johnst.,
TV.
- 61.L. *T. Thureaui* R. M. Johnst., TP.
- CONIFERALES INCERTAE SEDIS
- 45.F. *Aulacolepis rhomboidalis* Ett., QE.
- 65.L. *Walchia* (?) *tasmanica*
R. M. Johnst., TV.
- CYCADALES
- 43.L. *Anomozamites Muelleri* Ett., NP.
- 101.W. *Cycadites Dowlingi* Scott
(possibly Mesozoic), TN.
- 60.L. *C. microphylla* R. M. Johnst.
(47. Podocarpaceae), TP.
- GINKGOALES
- 38.L. *Ginko* sp. Deane, Vm.
- ANGIOSPERMAE
- MONOCOTYLEDONAE
- Cyperaceae
- 45.L. *Cyperacites ambiguus* Ett., QG.
- Gramineae
- 43.L. *Bambusites arthrostylinus* Ett.,
NP.
- 65.L. *Phragmites* (?) *calamiformis*
R. M. Johnst., TO.
- 65.L. *P. (?) sp.* R.M. Johnst., TN.
- 43.L. *Poacites australis* Ett., NP.
- 20.L. *P. sp.* Chap., SB.
- Palmae
- 45.L. Sp. Ett., QE.
- Potamogetonaceae
- 45.L. *Zosterites angustifolius* Ett., QE.
- DICOTYLEDONAE
- Aceraceae
- 43.L. *Acer subintegrilobum* Ett.
(20. *Sterculia*), NK.
- 43.L. *Acer subproductum* Ett.
(20. *Sterculia*), NK, NP.
- 65.L. *A. Tasmaniensis* R. M. Johnst., TJ.
- Apocynaceae
- 43.F. *Apocynocarpum sulcatum* Ett., NP.
- 33.L. *Apocynophyllum Berwickense*
Deane, VG.
- 43.L. *A. crassum* Ett., NP.
- 42.L. *A. Etheridgei* Ett., NF.
- 43.L. *A. Kingii* Ett., NP.
- 43.L. *A. Mackinlayi* Ett. = 22.
Flindersia Mackinlayi (Ett.)
Chap.
- 42.L. *A. microphyllum* Ett., TE.
- 42.L. *A. travertinum* Ett., TE.
- 43.L. *A. Warburtoni* Ett., QN.
- 45.L. *A. Warraghianum* Ett., QB.
- 42.L. *Echitonium obscurum* Ett., TL.
- 36.L. *Lyonsiaciphyllum Duni* Deane,
NQ.
- 42.L. *Tabernacmontana primigenia* Ett.,
NF.
- Aquifoliaceae
- 43.L. *Ilex Macleayana* Ett., NP.
- Araliaceae
- 43.L. *Aralia elsmoriana* Ett., NK.
- 43.L. *A. Freeelingii* Ett., NP.

- 43.L. *A. Oxlcyi* Ett. (20. *Sterculia*), NP.
 43.L. *A. prisca* Ett. (20. *Sterculia*), NP.
 42.L. *A. subformosa* Ett., QE.
 33.L. *Panacites Howitti* Deane, Vs.
 Betulaceae
 32.L. *Alnites latifolia* Deane, NR.
 42.L.F. *Alnus Maccoyi* Ett., NP, NK.
 42.L. *A. Muelleri* Ett., TE, TS.
 42.L. *Betula daltoniana* Ett., NF.
 42.L. *B. derwentensis* Ett., TE.
 54.L. *B. Launcstonensis* R. M. Johnst., TN.
 65.L. *B. punctata* R. M. Johnst., TJ.
 Bombaceae
 42.L. *Bombarx Mitchellii* Ett. = 22.
Endiandra Mitchellii (Ett.) Chap.
 42.L. *B. Sturtii* Ett., NF, 23WB.
 Boraginaceae
 42.L. *Cordia tasmanica* Ett., TS, 93Vr.
 Casuarinaceae
 43.L. *Casuarina Cookii* Ett., NP.
 45.L. *C. primæva* Ett., QE.
 97.F. *C. sp.* Patton, Vh.
 94.L. *C. sp.* Paterson, Vn.
 Celastraceae
 42.L. *Clastrophyllum Cunninghamii* Ett.
 = 43. *Celastrus Cunninghamii* Ett.
 42.L. *Celastrus Cunninghamii* Ett., NF..
 43.L. *C. Lefroyi* Ett., NP.
 43.L. *C. præclacnus* Ett., NP.
 43.L. *C. præcūropaeus* Ett., NP.
 45.L. *Elaeodendron priscum* Ett., QE.
 43.L. *E. subdegnner* Ett., NP.
 Ceratophyllaceae
 45.W,F. *Ceratophyllum australe* Ett., QE.
 Combretaceae
 43.I. *Getonites Wilkinsonii* Ett., NP.
 Cunoniaceae
 43.L. *Callicoma primacava* Ett., NP.
 43.L. *Ceratopetalum Gilesii* Ett., NP.
 43.L. *C. Macdonaldi* Ett., NP.
 42.L. *C. præcarbutoides* Ett., TE.
 45.L. *C. primigenium* Ett., QB.
 42.L. *C. Woodii* Ett., TS.
 19.L. ? *Weinmannia* sp. Chap., Vn.
 Ebenaceae
 45.F,L. *Diospyros crctacea* Ett., QB, QE.
 Elaeocarpaceae
 33.L. *Aristotelia* sp. (?) Deane, VG.
 84.F. *Elaeocarpus angularis* (F.v.M.) Selling 119, VV, Vv, Vy.
 42.F. *E. Bassii* Ett., TA.
 83.F. *E. Clarkei* (F.v.M.) Selling 119, VV, Vv, 37Vw, NL, 7NI.
 82.F. *E. Lynchii* (F.v.M.) Selling 119, VY, 37VW, 7NI.
 43.F,L. *E. Muclieri* Ett., NK, NP.
 20.L. *E. præobovatus* Chap., SB.
 83.F. *E. trachyclinis* (F.v.M.) Selling 119, VV, Vv, 7NI.
 Ericaceae
 45.L. *Andromeda australiensis* Ett., QE.
 Eucryphiaceae
 33.L. *Eucryphia Gregorii* Deane, Vs.
 Fagaceae
 42.L. *Castanopsis Benthamii* Ett., NF.
 43.L. *Dryophyllum Howitti* Ett., NP.
 45.L. *D. Lcsquecreuxii* Ett., QE.
 43.L,F. *Fagus Benthamii* Ett. = 93.
Nothofagus Benthamii (Ett.) Paterson.
 43.L. *F. cestrifolia* Ett., NP.
 65.L. *F. Glenoraeensis* R. M. Johnst., TJ.
 43.L. *F. Hookeri* Ett., NP.
 67.L. *F. Jonscii* R. M. Johnst., TK.
 65.L. *F. Launcstonensis* R. M. Johnst., TN.
 45.L. *F. leptonura* Ett., QE.
 33.L. *F. Luehmannii* Deane = 94.
Nothofagus Luehmannii (Deane) Paterson.
 33.L. *F. Maideni* Deane = 19.
Nothofagus Maideni (Deane) Chap.
 43.L. *F. Muclieri* Ett. = 94.
Nothofagus Muclieri (Ett.) Paterson.
 32.L. *F. Pittmani* Deane, NR.
 45.L. *F. præ-ninuisiana* Ett., QB.
 45.L. *F. præ-ulmifolia* Ett., QB, QF.
 42.L. *F. risdoniana* Ett. = 22.
Nothofagus risdoniana (Ett.) Chap.
 42.L. *F. Wilkinsonii* Ett. = 93.
Nothofagus Wilkinsonii (Ett.) Paterson.
 33.L. *F. sp. (?)* Deane, VG.
 65.L. *F. sp. R. M. Johnst.*, TN.
 43.L. *Nothofagus Benthamii* (Ett.) Paterson 93., ?93Vr, NK, NP, 32NR.
 33.L. *N. Luchmannii* (Deane) Paterson 94., VG, 94VS.
 33.L. *N. Maideni* (Deane) Chap. 19, VG, 94Vn, ?19Vn, ?93Vr.
 43.L. *N. Muclieri* (Ett.) Paterson 94, ?33VG, ?93VS, ?93Vr, NP.
 42.L. *N. risdoniana* (Ett.) Chap. 22, TS, 22SO.
 42.L. *N. Wilkinsonii* (Ett.) Paterson 93, 93Vr, NF, 22SN, 23WB.
 22.L. *N. aff. Moorci* (F.v.M.) Maiden, SH.
 26.P. *N. sp.a*. Cookson, VD, VF, Vc, V_k, NP, SI.

- 26.P. *N. sp.b.* Cookson, VB, VD, VF, VI, Vk, Vz, NP, SI.
 26.P. *N. sp.c.* Cookson, VB, VD, VF, VI, Ve, Vq, Vz, NC, NP, SI.
 26.P. *N. sp.d.* Cookson, VB, VD, VF, VK, Vk, Vq, Vz, NP, SI.
 26.P. *N. sp.e.* Cookson, VA, VB, VD, VF, VI, Vq, Vk, Vz, Vc, NC, NJ, NP, SI.
 26.P. *N. sp.f.* Cookson, VA, VB, VD, VI, VK, Vk, Vc, NP, SI.
 26.P. *N. sp.g.* Cookson, VF, NP, SI.
 26.P. *N. sp.h.* Cookson, VD, SI.
 26.P. *N. sp.i.* Cookson, SI.
 26.P. *N. sp.j.* Cookson, VA, VD, VF, VK, SI.
 43.L. *Quereus Austini* Ett., NP.
 60.L. *Q. Bischoffensis* R.M.Johnst., TP.
 43.L. *Q. Blaimingii* Ett., NP.
 45.L. *Q. colophylla* Ett., QE, QF.
 43.L. *Q. Dampieri* Ett.
 (32.Sapindaceae), NP.
 42.L. *Q. Darwinii* Ett., NF, NP, 43NK.
 42.L. *Q. drymocjoides* Ett., NF.
 43.L. *Q. Edcli* Ett., NP.
 45.L. *Q. eucaleptoides* Ett., QE.
 43.L. *Q. Greyi* Ett., NP.
 43.L. *Q. hapaloneuron* Ett., NP.
 43.L. *Q. Hartogi* Ett., NP.
 42.L. *Q. Hookri* Ett., NF.
 45.L. *Q. nelsonica* Ett., QE.
 43.L. *Q. prochlorophyllenensis* Ett., NF.
 45.L. *Q. pseudo-chlorophylla* Ett., QE.
 45.L. *Q. rosmarinifolia* Ett., QE.
 45.L. *Q. Stokesii* Ett., QE.
 42.L. *Q. Tasmanii* Ett., TS, 65TN.
 43.L. *Q. Wilkinsoni* Ett., NN, NP.
 45.F. *Q. sp.* Ett., QE.
- Lauraceae
 45.L. *Cinnomomum Haastii* Ett., QB.
 42.L. *C. hobartianum* Ett., TL.
 42.L. *C. Leichhardtii* Ett., NF, 43NK, 32NR.
 43.L. *C. Nuytsii* Ett., NP.
 80.L. *C. polymorphoides* McCoy,
 61, 64 TO, 65TU, VC, 19Vn,
 32Vs, 81VQ, 42NF, 43NP.
 94.L. var. *erassa* Paterson, Vn.
 80.L. var. *major* McCoy, VC.
 38.L. *C. procurrens* Deane, Vm.
 45.L. *C. primigenium* Ett., QE, ?103QB,
 ?103QE.
 22.L. *C. Tatei* Chap., SM.
 42.L. *C. Woodwardii* Ett., TL.
 36.L. *Cryptocarya australis* Deane,
 ?94Vn, NQ.
 36.L. *C. praeborovata* Deane, 94VS, NQ.
Diemenia lanceifolia Ett., QE.
 43.L. *D. persicafolia* Ett., NK.
 43.L. *D. speciosa* Ett., NK, NP.
 42.L. *Endiandra Mitchelli* (Ett.) Chap
 22, 22VC, 93Vr, NF, 23WB.
 36.L. *E. praepubens* Deane, 22VC, NQ.
- 42.L. *Laurus australiensis* Ett.,
 NF, 43NK, NP.
 45.L. *L. plutonina* Ett., QB.
 60.L. *L. Sprentii* R. M. Johnst., TP.
 80.L. *L. Werricensis* McCoy,
 VC, 81VQ.
 32.L. *Litsacophyllum wingellense* Deane,
 NR.
 43.L. *Sassafras Lesquereuxii* Ett., NP.
- Leguminosae
 67.L. *Acacia Meiringii* R.M.Johnst., TK.
 43.L. *Cassia castanospermoidea* Ett., NP.
 42.L. *C. Cookii* Ett., NF.
 45.L. *C. Etheridgei* Ett., QE.
 45.L. *C. Flindersi* Ett., TE.
 43.L. *C. phaselitoides* Ett., NP.
 45.L. *C. proc-mcmunniana* Ett., QB.
 45.L. *C. prae-phaselitoides* Ett., QB.
 43.L. *Copaifera australiensis* Ett., NP.
 42.L. *Dalbergia Dicmenii* Ett., 65TJ, NF.
 43.L. *Dalbergiophyllum affine* Ett., NP.
 43.L. *Dolichites coriaceus* Ett., NP.
 82.F. *Geoffroya McCoyi* (F.v.M.) Sell-
 ing 119, VY, Vy, 7NI.
 42.L. *Leguminosites Kennedyi* Ett., NF.
 45.L. *L. pachyphyllus* Ett., QE.
 45.L. *Podalyriophyllum brochidodromum*
 Ett., QE.
 43.L. *Podogonium macrocarpum* Ett.,
 NP.
- Loganiaceae
 94.F. *Strychnos* sp. Paterson, Vn.
- Loranthaceae
 43.L. *Loranthus Kennedyi* Ett., NP.
- Magnoliaceae
 32.L. *Drimys lcvifolia* Deane, ND.
 36.L. sp. Deane, Vs.
 42.L. *Magnolia Brownii* Ett.,
 NF, 22SJ, 22SF.
 93.L. *M. microphylla* Paterson, Vr.
 42.L. *M. Torresi* Ett., NF.
 104.L. *M. sp. (?) Shirley* (possibly
 Cretaceous), QC.
- Malpighiaceae
 43.L. *Banisteriophyllum oustraliense* Ett.,
 NN, NP.
 45.L. *B. crctaeum* Ett., QB.
 43.L. *Malpighiastrum Babagei* Ett., NK.
 45.L. *M. crctaceum* Ett., QB.
- Meliaceae
 32.L. *Cedrclophyllyum antiqua* Deane, NR.
- Menispermaceae
 87.F. *Rhitidocaryon Wilkinsoni* F.v.M.
 (119), NB, NL, 119TA.
- Monimiaceae
 33.L. *Atherosperma Berwickense* Deane,
 VG.

- 33.L. *Daphnandra obliqua* Deane, VG.
 33.L. *D. sclvyni* Deane, Vs.
 33.L. *Hedycarya latifolia* Deane,
 VG, 94Vn, ?19Vn, 22SD.
 43.L. *H. Wickhami* Ett., NP.
 33.L. *Mollinedia helicoides* Deane, VG.
 33.L. *M. Muellcri* Deane, Vs, ?19Vn.
 33.L. *M. praelongipes* Deane, VG.
 45.L. *Monimia prae-vestita* Ett., QE.
 43.L. *M. vestita* Ett., NP.
- Moraceae
 43.L. *Artocarpidium Gregoryi* Ett.,
 NK, NP.
 45.L. *A. pseudo-cretaceum* Ett., QB.
 43.L. *A. Stuartii* Ett. = 22.
 Ficus Stuartii (Ett.) Chap.
 93.L. *Ficonium nitidum* Paterson, Vr.
 42.L. *F. Solandri* Ett., 19Vn, NF, 20SB.
 65.L. *F. (?) solandroides* R. M. Johnst.,
 TO.
 43.L. *Ficus Burkei* Ett., NP.
 43.L. *F. Gidleyi* Ett., NP.
 45.L. *F. Ipswichiana* Ett., QB.
 43.L. *F. Phillipsii* Ett., NP.
 43.L. *F. Solanderi* Ett., NP.
 43.L. *F. Stuartii* (Ett.) Chap. 22, NP.
 104.F. *F. subgoepperti* Shirley (possibly
 Cretaceous), QC.
 103.L. *F. subsycamorus* Shirley, QE.
 43.L. *F. Willisi* Ett., NP.
 104.L. *F. (?) sp.* Shirley (possibly
 Cretaceous), QC.
- Myricaceae
 42.L. *Myrica Eyrei* Ett., TE.
 43.L.F. *M. Konincki* Ett., NK, NP.
 45.L. *M. pseudolignitum* Ett., QB, QE.
 43.L. *M. pseudosalix* Ett. (*36. Myrsine*),
 NP, 36NQ.
 103.L. *M. subsalicina* Shirley, QE.
 45.L. *Myricophyllum longepetiolatum*
 Ett., QG.
- Myrsinaceae
 43.L. *Myrsine Stokesii* Ett., NP.
- Myrtaceae
 43.L. *Callistemonphyllum Beckeri* Ett.,
 NP.
 43.L. *C. Hackii* Ett., NP.
 43.L. *C. obliquum* Ett., NP.
 43.L. *C. Swindeni* Ett., NP.
 33.L. *Eucalyptus Chapmani* Deane 75,
 VG.
 45.L. *E. cretacea* Ett., QB, QE.
 45.L. *E. Davidsoni* Ett., QE.
 42.L. *E. Delftii* Ett., NF.
 43.L. *E. Dicmeui* Ett., NP, 22SH.
 43.L. *E. Hayi* Ett., NP.
 33.L. *E. Hermani* Deane, VG.
 43.L. *E. Houtmanni* Ett.,
 ?33VG, NP, 22SM.
 33.L. *E. Howitti* Deane, VG.
- 60.L. *E. Kayseri* R. M. Johnst., TP.
 33.L. *E. Kitsoni* Deane, VG, 93Vr,
 94VS, ?19Vn, 22SD, 22SH.
 13.W. *E. melliodora* Cunn., VJ.
 61.L. *E. Milligani* R. M. Johnst., TO.
 43.L. *E. Mitchellii* Ett., 33VG, NP,
 22SD.
 33.L. *E. Muellcri* Deane = 75.
 E. Suttoni Deane.
 45.L. *E. oxleyana* Ett., QE.
 13.W. *E. piperita* Sm., Vi.
 80.L. *E. Pluti* McCoy, VT.
 33.L. *E. praecoriacea* Deane
 (95. ? *Eucalyptus*), VI.
 45.L. *E. scoliophylla* Ett., QE.
 33.L. *E. Suttoni* Deane 75, VG.
 45.L. *E. warraghiana* Ett., QB.
 33.L. *E. Woollsii* Deane = 75.
 E. Chapmani Deane.
 10.L. *E. aff. amygdalina* Labill, Vt.
 95.L. *E. sp.* Patton, VL.
 96.L. *E. spp.* Patton, Vx.
 43.L. *Myrtonium lanceolatum* Ett., NP.
 43.L. *M. obtusifolium* Ett., NP.
 45.L. *Myrtophyllum latifolium* Ett., QE.
 22.L. *Tristania praeconferata* Chap., SD.
 38.L. *T. sp. (?)* Deane, Vm.
 33.L. *Tristanites angustifolia* Deane,
 VG, 19Vn, 94Vn.
 33.L. *T. Muellcri* Deane, VG, ?94Vn.
- Oleaceae
 43.L. *Olea Macintyrei* Ett., NP.
 27.L. *Olcinites crenulata* Cookson, SI.
 27.L. *O. Willisi* Cookson, VZ, Ve'.
- Piperaceae
 43.L. *Piper Feistmantlii* Ett., NK.
- Pittosporaceae
 33.L. *Pittosporum praeundulatum* Deane,
 Vs.
 42.L. *P. priscum* Ett., NF.
- Proteaceae
 38.L. *Banksia adunca* Deane, Vm.
 43.L. *B. Blaxlandi* Ett., NP.
 43.L. *B. Campbelli* Ett., NP.
 45.L. *B. crenata* Ett., QE.
 45.L. *B. cretacea* Ett., QE.
 38.L. *B. fastigata* Deane = 30.
 Banksiaciphyllum fastigatum
 (Deane) Cookson and Duigan.
 43.L. *B. Hovelli* Ett., NP.
 43.L. *B. lancifolia* Ett., 61TJ, NP.
 43.L. *B. Lawsoni* Ett., NP.
 43.L. *B. myricacfolia* Ett., NP.
 45.L. *B. plagioneura* Ett., QE.
 43.L. *B. Poolii* Ett., NP.
 22.L. *B. praegrandis* Chap., SD.
 45.L. *B. sub-longifolia* Ett., QE.
 10.L. *B. cf. marginata* Cav., Vt.
 30.F. *B. sp.* Cookson and Duigan, VV.

- 30.F. *B.* sp. Cookson and Duigan, Vc'.
- 65.W. *B.* sp. R. M. Johnst., TC.
- 29.P. *Banksiaeidites elongatus* Cookson, Vc'.
- 29.P. *B. minimus* Cookson, Vc'.
- 30.L. *Banksiaeophyllum acuminatum* Cookson and Duigan, Vc'.
- 30.L. *B. angustum* Cookson and Duigan, Vc'.
- 38.L. *B. fastigatum* (Deane) Cookson and Duigan 30, Vc'.
- 30.L. *B. laeve* Cookson and Duigan, Vc'.
- 30.L. *B. obovatum* Cookson and Duigan, Vc'.
- 30.L. *B. pinnatum* Cookson and Duigan, Vc'.
- 29.P. *Beaufreaidites elegansiformis* Cookson, VC, Va, Vc', NP, SG, SI.
- 29.P. *B. verrueosus* Cookson, VC.
- 45.L. *Conospermites linearifolius* Ett., QE.
- 43.L. *Dryandra Benthami* Ett., NP.
- 43.L. *D. praeformosa* Ett., NP.
- 38.L. *D. uniformis* Deane, Vm.
- 42.L. *Dryandroides Johnstonii* Ett., TE.
- 34.L. *Grevillea darlingioides* Deane, NP.
- 45.L. *G. Oxleyana* Ett., QE.
- 43.L. *G. proxima* Ett., NP.
- 43.L. *G. Wentworthi* Ett., NP.
- 22.L. *Hakea ambigua* Meissn., SD.
- 43.L. *H. Duttoni* Ett., NP.
- 42.L. *Knightia daltoniana* Ett., NF.
- 33.L. *Lomatia Bosistoidea* Deane, VG.
- 43.L. *L. Brownii* Ett., ?93Vr, 94Vn, NP, 32NR.
- 43.L. *L. eastanæafolia* Ett., NP.
- 33.L. *L. dubia* Deane, VG.
- 43.L. *L. Evansii* Ett., NP.
- 43.L. *L. Finnisii* Ett., NP.
- 43.L. *L. Goyderi* Ett., NP.
- 22.L. *L. Matsonii* Chap., SE.
- 33.L. *L. obscura* Deane, VG.
- 33.L. *L. perspicua* Deane, VG, ?22SD.
- 42.L. *L. praeelongifolia* Ett., TE, 38Vm.
- 33.L. *L. reticulata* Deane, VG, ?94Vn.
- 65.L. *L. ? Tasmanica* R. M. Johnst., TC.
- 35.L. *Persoonia cuneata* Deane, Vu, ?22SM.
- 43.L. *P. Murrayi* Ett., NP.
- 32.L. *P. propinqua* Deane, ND.
- 94.F. *P.* sp. Paterson, Vn.
- 29.P. *Proteacidites adenanthoides* Cookson, Vb', NP, SC.
- 29.P. *P. annularis* Cookson (*Lambertia, Xylomelum*), VC, VD, Va, Ve, Vb', Vc', NP, SC, SI.
- 29.P. *P. callosus* Cookson, SI.
- 29.P. *P. crassus* Cookson, VB, SC, SI.
- 29.P. *P. grandis* Cookson, Vb'.
- 29.P. *P. incurvatus* Cookson, VB, Vb', SI, SK.
- 29.P. *P. obseurus* Cookson, VD, Vc', SI.
- 29.P. *P. parvus* Cookson, NP.
- 29.P. *P. rectomarginis* Cookson (*Petrophila*), VC.
- 29.P. *P. reticulatus* Cookson, SI.
- 29.P. *P. symphyonemoides* Cookson, VD, Vc'.
- 29.P. *P. truneatus* Cookson (*Isopogon*), Vc'.
- 29.P. *P. tuberculatus* Cookson, VC, Vc'.
- 45.L. *Proteoides australiensis* Ett., QE.
- 43.L. *Rhopala Parryi* Ett., NP.
- 43.L. *R. sapindifolia* Ett., NP.
- 45.L. *Rhopalophyllum australe* Ett., QB, QE.
- Ranunculaceae
- 45.F. *Debeya affinis* Ett., QB, QE.
- 45.L. *D. australiensis* Ett., QB.
- Rhamnaceae
- 43.L. *Pomaderris Banksii* Ett., NP, ?20SB.
- 42.L. *Pomaderrites Banksii* Ett., 93Vs, NF.
- Rubiaceae
- 42.L. *Coprosma praeccuspidifolia* Ett., TE.
- 35.L. *Coprosmaephillum angustifolium* Deane, Vu.
- 35.L. *C. attenuatum* Deane, Vu.
- 22.L. *C. Edmondsei* Chap., SA.
- 36.L. *C. Kitsonii* Deane, NQ.
- 35.L. *C. minus* Deane, Vu.
- 35.L. *C. ovatum* Deane, Vu.
- 32.L. *Psyehotriphyllum attenuatum* Deane, NR.
- Rutaceae
- 43.L. *Boronia Harrisii* Ett., NP.
- 43.L. *B. Hookeri* Ett., NP.
- 42.L. *Flindersia Mackinlayi* (Ett.) Chap. 22, NP, 22SH.
- Salicaceae
- 42.L. *Salix Cormickii* Ett., TL.
- Santalaceae
- 43.L. *Santalum Frazeri* Ett., NP.
- Sapindaceae
- 43.L. *Cupanites Selwynii* Ett., NK, NP.
- 33.L. *Nephelites Berwickense* Deane, VG.
- 32.L. *N. denticulata* Deane, ND.
- 32.L. *N. equidentata* Deane, NR.
- 32.L. *N. ovata* Deane, NR.
- 33.L. *N. quercifolia* Deane, VG.
- 33.L. *N. Ulrichii* Deane, Vs.
- 43.L. *Sapindus Gossei* Ett., NK, NP.
- 103.L. *S. Oxleyensis* Shirley, QE.
- 42.L. *S. tasmanicus* Ett., TH.
- Sapotaceae
- 42.L. *Sapotacites aehrasoides* Ett., TE.
- 43.L. *S. Forrestii* Ett., NP.

- 43.L. *S. Huntii* Ett., NP.
 42.L. *S. oligonurus* Ett., TE, 62TV.
 Saxifragaceae
 32.L. *Argophyllites levis* Deane, NR.
 33.L. *A. parvifolia* Deane, Vs.
 36.L. *Anopterus Pittmanii* Deane, NQ.
 43.L. *Trachiphyllum myosotinum* Ett., NP.
 43.L. *T. obtusum* Ett., NP.
 Sterculiaceae
 94.L. cf. *Brachychiton populneus* R.Br., Vn.
 33.L. *Commersonia* sp. (?) Deane, VG.
 19.L. *Sterculia Gippslandica* Chap., Vn, 94Vn, ?94VS.
 19.L. *S. Hauschildii* Chap., Vn, ?20SB.
 33.L. *S. Muelleri* Deane, Vs.
 22.L. S. (?) Chap., NG.
 Tiliaceae
 32.L. *Corchorites crenulata* Deane, NR.
 45.L. *Etheridgea subglobosa* Ett., QE.
 Ulmaceae
 43.L. *Ulmophyllum oblongum* Ett., NP.
 60.L. *Ulmus Tasmanicus* R. M. Johnst., TP.
 Verbenaceae
 20.L. cf. *Clerodendron* sp. Chap., SB.
 42.L. *Premna Drummondii* Ett., TE.
 SPECIES INCERTAE SEDIS
 88.F. *Acrocoila quondonta* F.v.M., NI.
 33.F. *Carpolithes acaciaeformis* Deane, Vs.
 43.F. *C. amaranthaceus* Ett., NK.
 45.F. *C. complanatus* Ett., QE.
 65.F. *C. coniferooides* R. M. Johnst., TU.
 65.F. *C. Derwentensis* R. M. Johnst., TR.
 45.F. *C. epacridooides* R. M. Johnst., QE.
 45.F. *C. fagiformis* Ett., QE.
 42.F. *C. gaertnerioides* Ett., TH.
 64.F. C. (?) *Geissii* R. M. Johnst., TJ.
 43.F. *C. morisoniaciformis* Ett., NK.
 65.F. *C. Perrini* R. M. Johnst., TO.
 43.F. *C. pygmaea* Ett., NK.
 42.F. *C. risdonianus* Ett., TS.
 45.F. *C. semisuleatus* Ett., QE.
 45.F. *C. siliculaeformis* Ett., QE.
 65.F. *C. Strahanensis* R. M. Johnst., TO, ?33VC.
 65.F. *C. ulmaciformis* R. M. Johnst., TC.
 65.F. *C. ulmiformis* R. M. Johnst., TR.
 43.F. *C. wetherellioides* Ett., NK.
 82.F. *Clyphina McCoyi* F.v.M. = 119.
Geoffroya McCoyi (F.v.M.)
 Selling.
 90.F. *Couchocaryon Smithii* F.v.M.
 (Proteaceae), NI.
 83.F. *Coucotheca rotundata* F.v.M.
 (Proteaceae), 65TN, Vo.
 84.F. *C. turgida* F.v.M. (Proteaceae) 37.
Sapindaceae, 59TA, 58TC,
 63TA, 63TI, Vo, 37VW, 114VY,
 52SL.
 84.F. *Dieune pluriovulata* F.v.M.
 (Capparidaceae, Pittosporaceae),
 • VY, 7NI.
 88.F. *Eisothecaryon semiseptatum* F.v.M.
 (Olacineae), NI.
 88.F. *Ilicites astrocarpa* F.v.M.
 (Magnoliaceae), NI.
 89.F. *Liversidega oxyspora* F.v.M.
 (Bixaceae, Capparidaceae,
 Guttiferae, Rutaceae), NM.
 88.F. *Ochthodocaryon Wilkinsonii* F.v.M.
 (65, Capparidaceae), NI.
 83.F. *Odontocaryon Macgregorii* F.v.M.,
 Vo, 7NI.
 100.W. *Pataloxylon porosum* Sahni, QK.
 100.W. *P. scalariforme* Sahni, QD.
 88.F. *Pentacoila Gulgongensis* F.v.M.
 (65, Sapindaceae), NI.
 59.F. *Penteunc Allportii* F.v.M. (119.
Elaeocarpus), TI.
 83.F. *P. brachyclinis* F.v.M.
 (Sapindaceae, Meliaceae, 119.
Elaeocarpus), Vv, 7NI, 52SL.
 83.F. *P. Clarkii* F.v.M. = 119.
Elaeocarpus Clarkii (F.v.M.)
 Selling.
 83.F. *P. trachyclinis* F.v.M. = 119.
Elaeocarpus trachyclinis
 (F.v.M.) Selling.
 65.L. *Phyllites aceriformis* R. M. Johnst., TN.
 65.L. *P. acicularis* R. M. Johnst., TN.
 45.L. *P. actinoueuropus* Ett., QE.
 65.L. *P. asteriformis* R. M. Johnst., TN.
 65.L. *P. Atkinsonii* R. M. Johnst., TV.
 65.L. *P. Blcsteadii* R. M. Johnst., TV.
 65.L. *P. Breadalbaneensis* R. M. Johnst., TC.
 65.L. *P. Buttonii* R. M. Johnst., TC.
 65.L. *P. cennarrheniformis* R. M. Johnst., TV.
 65.L. *P. cuncatiformis* R. M. Johnst.
 (47, *Libocedrus*), TR.
 42.L. *P. ficiformis* Ett., TE.
 65.L. *P. Fraxiniformis* R. M. Johnst., TV.
 33.L. *P. Gregorii* Deane (Proteaceae),
 VG.
 42.L. *P. juglandiformis* Ett., TE.
 65.L. *P. laucoleatus* R. M. Johnst., TJ.
 42.L. *P. ligustroides* Ett., TE.
 65.L. *P. Milligani* R. M. Johnst., TC.
 42.L. *P. mimosaformis* Ett., TE.
 65.L. *P. myrtiformis* R. M. Johnst., TN.
 68.L. *P. olcaceiformis* R. M. Johnst., TJ.
 65.L. *P. oreodaphnioides* R. M. Johnst., TN.
 42.L. *P. phascolites* Ett. (*Kennedyia*), TE.

- 65.L. *P. pomaderiformis* R. M. Johnst., TJ.
 42.L. *P. populiformis* Ett., TE.
 65.L. *P. grac-populiformis* R. M. Johnst., TJ.
 65.L. *P. proteaciformis* R. M. Johnst., TV.
 42.L. *P. pyriformis* Ett., TE.
 68.L. *P. salicifolium* R. M. Johnst., TJ.
 65.L. *P. serratifolium* R. M. Johnst., TP.
 42.L. *P. sophoraeformis* Ett., TE.
 65.L. *P. Taylorii* R. M. Johnst., T.P.
 65.L. *P. teliodentatus* R. M. Johnst., TJ.
 65.L. *P. Waratahensis* R. M. Johnst., TP.
 65.L. *P. Wintlei* R. M. Johnst., TN.
 65.L. *P. Wyonyardensis* R. M. Johnst., TV.
 30.L. *P. yallournensis* Cookson and Duigan, Vc'.
 84.F. *Phymatocaryon angularis* F.v.M. = 119. *Elaeocarpus angularis* (F.v.M.) Selling.
 88.F. *P. bivalve* F.v.M., NI.
 82.F. *P. Mackayi* F.v.M. (37. *Elaeocarpus*), VY, 37VW NL, 7NI, 52SL.
 84.F. *Platycoila Sullivani* F.v.M. (Proteaceae), 58TA, Vo, Vy, 7NI.
 88.F. *Pleiacron elachocarpum* F.v.M., NI.
- 118.F. *Pleioclinis Couchmanni* F.v.M. (Sapindaceae), VY, Vo.
 83.F. *P. Shepherdi* F.v.M., Vo, ?65TC.
 88.F. *Plesiocapparis leptocelyphis* F.v.M. (Capparidaceae), 59TE, 59TR, 63TA, 63TI, NI.
 116.F. *P. megasperma* F.v.M., NI.
 82.F. *P. prisca* F.v.M., VY, 7NI.
 59.F. *Rhitidotheca Johnstonii* F.v.M. = 42. *Elaeocarpus Bassii* Ett.
 82.F. *R. Lynchii* F.v.M. = 119. *Elaeocarpus Lynchii* (F.v.M.) Selling.
 37.F. *R. major* Deane, VW.
 83.F. *R. pleioclinis* F.v.M. = 118. *Pleioclinis Shepherdi* F.v.M.
 42.F. *Sapindostrobus dubius* Ett., NP.
 82.F. *Spondylostrobus Smythii* F.v.M. (*Callitris*, 74. Dicotyledon 119. Burseraceae), 56TB, 58TA, 58TC, VV, VY, Vy, NL, 7NI, 52SL.
 82.F. *Tricmatocaryon McLellani* F.v.M. (Verbenaceae), VV, VY, 7NI.
 117.F. *Tricoilocaryon Barnardi* F.v.M. (65. Sapindaceae 119. Burseraceae), NI.
 27.P. *Tricolporites sphacica* Cookson (Oleaceae), Vx.
 29.P. *Triorites magnificus* Cookson, SI.
 89a.F. *Wilkinsonia bilaminata* F.v.M. (Sapindaceae), NB, NI.
 86.F. *Xylocaryon Lockii* F.v.M. (Olacineae), Vo.

Suggested Identity of Various Australian Tertiary Plants

ALGAE

BACILLARIOPHYCEAE

Pennales

106. *Cymbella* sp., NE.
 106. *Fragilaria* sp., NE.
 106. *Pinnularia* sp., NE.
 106. *Synedra* sp., NE.

CHLOROPHYCEAE

Charales

Characeae

21. Sp. (possibly Pleistocene), WC.
 Cladophorales
 Cladophoraceae
 21. *Cladophora* sp. (possibly Pleistocene), WC.

RHODOPHYCEAE

Cryptonemiales

Coralinaceae

12. *Lithophyllum* sp., Vp.
 12. *Lithothamnion* aff. *lichenoides* Ellis and Solander, Vp.
 12. *L.* sp., Vp.
 11. *L.* sp., TM.

FUNGI

12. Boring Fungus indet., Vp.

PTERIDOPHYTA

FILICINEAE

- 25.P. Sp.

Filicales

- 35.L. Sp., Vu.

- 89.L. Sp., NM.

Polypodiaceae

- 96.L. *Polypodium pustulatum* Forst., Vx.

Pteridaceae

- 55.L. *Adiantum* sp., TT.

- 96.L. *Pteridium aquilinum* Kuhn, Vx.

- 112.L. *Pteris* sp., VT.

LYCOPODINEAE

- 54.L. *Lycopodium* sp., TM.

PTERIDOSPERMACEAE

- 81.L. *Taeniopteris tenuissima-striata* McCoy (47. *Eucalyptus*), VH, VQ.

GYMNOSPERMACEAE

- 98a.P. Sp., SK.

CONIFERALES

- 54.L. Sp., Vm.

	Araucariaceae	61.L.	<i>C.</i> sp., TP.
33.L.	<i>Dammara</i> sp., VI.	78.L.	<i>C.</i> sp., VC.
	Cupressaceae	54.L.	<i>Laurus</i> sp., TN.
53.W.	Sp., VM, VP.	93.L.	<i>L.</i> sp., Vr.
	Pinaceae	61.L.	<i>L.</i> sp., TP.
55.W.	<i>Pinus</i> sp., TF.	78.L.	<i>L.</i> sp., VC.
109.W.	<i>P.</i> sp., TX.	102a.W.	<i>Prospectina Harti</i> Scott, TN.
	Podocarpaceae	102a.W.	<i>P. Keltiei</i> Scott, TN.
25.P.	Sp.	102a.W.	<i>P. Pasmorei</i> Scott, TN.
96.W.	<i>Dacrydium</i> sp., Vx.		Leguminosae
14.W.	<i>Mesembrioxylon</i> sp., VA.	46.W.	<i>Acacia melanoxylon</i> R.Br., VT.
96.W.	<i>Phyllocladus</i> sp., Vx.	55.W.	<i>A.</i> sp., VM, VP.
33.L.	<i>Podocarpus</i> sp., VI.	33.L.	<i>A.</i> sp., VI.
	CYCADALES	35.L.	<i>A.</i> sp., Vu.
11.F.	Sp., Vm.	8.L.	<i>A.</i> sp., QI.
	GINKGOALES	113F.I.	<i>Eutaxia empetrifolia</i> Schlech, VX.
81.L.	<i>Salisburia Murrayi</i> McCoy, VR.	35.L.	<i>Mirbelia</i> sp., Vu.
	ANGIOSPERMAE	35.L.	<i>Pultenaea</i> sp., Vu.
	MONOCOTYLEDONAE		Magnoliaceae
10.L.	Rush, Vu.	61.L.	<i>Magnolia</i> sp., TP.
8.L.	Sedge, QJ.		Meliaceae
	Cyperaceae	36.L.	<i>Amoora</i> sp., NQ.
8.L.	<i>Elcocharis</i> sp., QH.	36.L.	<i>Owenia</i> sp., NQ.
	DICOTYLEDONAE		Monimiaceae
	Aceraceae	33.L.	<i>Daphnandra</i> sp., VI.
54.L.	<i>Acr</i> sp., TN.	36.L.	<i>Mollinedia</i> sp., NQ.
78.L.	<i>A.</i> sp. (47. <i>Sterculia</i>), VC.	14.L.	<i>M.</i> sp., VI.
	Apocynaceae		Moraceae
14.L.	<i>Apocynophyllum</i> sp., VI.	81.L.	<i>Ficus Dionysia</i> Mass., VQ.
	Casuarinaceae	36.L.	<i>F.</i> sp., NQ.
16.W.	<i>Casuarina</i> sp., Vn.	35.L.	<i>F.</i> sp., Vu.
3.W.	<i>C.</i> sp., VN.		Myoporaceae
35.L.	<i>C.</i> sp., Vu.	33.L.	<i>Myoporum</i> sp., Vs.
25.P.	<i>C.</i> sp.		Myrsinaceae
98a.P.	<i>C.</i> sp., SK.	35.L.	<i>Myrsinc</i> sp., Vu.
	Cunoniaceae		Myrtaceae
36.L.	<i>Wcinmannia</i> sp., NQ.	98a.P.	Sp., SK.
	Euphorbiaceae	8.L.	<i>Callistemon</i> sp., QI.
36.L.	<i>Adriana</i> sp., NQ.	77.L.	<i>Eucalyptus obliqua</i> l'Herit, VY.
	Fagaceae	8.L.	<i>E. propinqua</i> Deane and Maid., QH.
61.L.	<i>Fagus</i> sp., TP.	71.L.	<i>E.</i> sp., VF.
98.P.	<i>Nothofagus</i> spp., SG.	33.L.	<i>E.</i> sp., VL, VI.
98a.P.	<i>N.</i> spp., SK.	8.L.	<i>E.</i> sp., QH.
50.L.	<i>N.</i> sp., Vg.	75.L.	<i>E.</i> sp., TD.
	Lauraceae	53.W.	<i>E.</i> sp., VM, VP.
81.L.	Sp., VO, VR.	107.L.	<i>E.</i> sp., VT, Vj.
50.W.	<i>Beilschmiedia</i> sp., Vg.	8.L.	<i>Melaleuca</i> sp., QI.
55.L.	<i>Cinnamomum</i> sp., TU.	14.L.	<i>Tristanites</i> sp., VI.
33.L.	<i>C.</i> sp., Vs.		Platanaceae
93.L.	<i>C.</i> sp., Vr.	54.L.	<i>Platanus</i> sp., TN.
			Proteaceae
		98.P.	Sp., SG.
		98a.P.	Sp., SK.
		99.F.	<i>Banksia</i> sp., VP.

91.F.	<i>B.</i> sp., VP.	Sterculiaceae
107.F.	<i>B.</i> sp., VM, VP.	36.L. <i>Commersonia</i> sp., NQ.
108.F.	<i>B.</i> sp., VT, Vj.	35.L. <i>Lasiopetalum</i> sp., Vu.
76.L.	<i>B.</i> sp., SI.	Symplocaceae
55.W.	<i>B.</i> sp., TF.	119.F. <i>Symplocus</i> sp., V.
23.L.	<i>Grevillea</i> sp., WA.	Thymeliaceae
33.L.	<i>Hakea</i> sp., Vl.	78.L. <i>Daphnogena</i> sp., VC.
71.L.	<i>Lomatia</i> sp., VF.	Ulmaceae
14.L.	<i>L.</i> sp., VI.	54.L. <i>Ulmus</i> sp., TN.
76.L.	<i>Telopea</i> sp., SI.	55.W. <i>U.</i> sp., TF.
	Rubiaceae	Verbenaceae
36.L.	<i>Randia</i> sp., NQ.	8.L. <i>Gmelina</i> sp., QI.
	Rutaceae	Vitaceae
36.L.	<i>Flindersia</i> sp., NQ.	36.L. <i>Vitis</i> sp., NQ.
	Sapindaceae	SPECIES INCERTAE SEDIS
59.L.	Sp., TT.	69.F. <i>Carpolithes (Plesiocapparis)</i> <i>Clarkii</i> R. M. Johnst., TG.
14.L.	<i>Nephelites</i> sp., VI.	81.L. <i>Lastrea Dargoensis</i> McCoy, VH, VQ.
	Saxifragaceae	
6.W.	Sp., NO.	
	Solanaceae	
55.L.	<i>Solanum</i> sp., TT.	

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